



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Appln. Of

Inventor(s): Sugar et al.

Group Art Unit: 2681

Application No.: 10/707,744

Confirmation No.: 1743

Filing Date: January 8, 2004

Attorney Docket No.: Cognio50US2

Title: MULTIPLE-INPUT MULTIPLE-OUTPUT RADIO TRANSCEIVER

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Dear Sirs:

Pursuant to the duty of disclosure requirements of 37 CFR 1.56, this Information Disclosure Statement is being submitted for entry in the above-identified application. It is being filed before the undersign's knowledge of the mailing of the first Office Action on the merits. Thus, no fee is believed due.

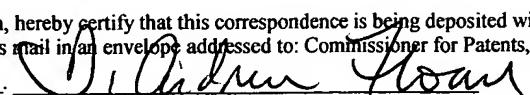
Attached is a form PTO-1449, together with copies of the cited references. The Examiner's consideration of the references is respectfully requested.

Respectfully submitted,


D. Andrew Floam
Reg. No. 34,597
(Customer Number 32604)
Date: March 25, 2004

Cognio, Inc.
101 Orchard Ridge Drive, Suite 350
Gaithersburg, Maryland 20878
Phone: 301-944-1447
Fax: 240-631-1943

I, D. Andrew Floam, hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, PO Box 1450 Alexandria, VA 22313-1450

March 25, 2004 



COGNIO, INC.
101 ORCHARD RIDGE DRIVE, SUITE 350
GAIITHERSBURG, MARYLAND 20878

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.: Cognio50US2
SERIAL NO.: 10/707,744
APPLICANT(S): Sugar et al.

GROUP ART UNIT: 2681
FILING DATE: January 8, 2004
TODAY'S DATE: March 25, 2004

BJ ✓	PV-1000Hb 802.11b RF Transceiver Product Specification, 2002, pages 1-11.
BK ✓	Madihian, et al., "A 5 GHz-Band Multifunctional BiCMOS Transceiver Chip for GMSK Modulation Wireless Systems," IEEE Journal of Solid-State Circuits, Vol 34, No. 1, January, 1999.
BL ✓	Rudell et al., "Recent Developments in High Integration Multi-Standard CMOS Transceivers for Personal Communication Systems," 1998 International Symposium on Lower Power Electronics, Monterey, California.
BM ✓	Cho et al., "Multi-Standard Monolithic CMOS RF Transceiver," University of California, Berkeley, January 8, 1996, (pp. 1-26).
BN ✓	Rudell et al., "Second Generation Multi-Standard Monolithic CMOS RF Transceiver," University of California, Berkeley, June 16, 1996.

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s)

MAR 26 2004



COGNIO, INC.
 101 ORCHARD RIDGE DRIVE, SUITE 350
 GAITHERSBURG, MARYLAND 20878

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.: Cognio50US2
 SERIAL NO.: 10/707,744
 APPLICANT(S): Sugar et al.

GROUP ART UNIT: 2681
 FILING DATE: January 8, 2004
 TODAY'S DATE: March 25, 2004

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

*Examiner Initial	Author, Title, Date, Pertinent Pages, Etc
BA	International Search Report in International Application No. PCT/US03/12183
BB	LANTZ, "A 5GHz, SiGe, Monolithic WLAN Transceiver", PCC Workshop, 1999
BC	COPELAND ET AL., "5GHz SiGe HBT Monolithic Radio Transceiver with tunable filtering", IEEE Trans on Microwave Theory and Techniques, February 2000, Vol. 48, No. 2
BD	Single Chip Bluetooth Radio Transceiver, STMicroelectronics, 2001, (2 pages)
BE	Rudell et al., "Highly Integrated Transceiver Architectures for Adaptive RF Communications," University of California, Berkeley, date unknown.
BF	Behbahani et al., "An All CMOS, 2.4 GHz, Full Adaptive, Scalable, Frequency Hopped Transceiver" University of California, Los Angeles, Integrated Circuits & Systems Laboratory, date unknown.
BG	Ellingson et al., "An 8-Element Dual-Frequency Array Receiver for Propagation Measurements near 2.4 GHz," The Ohio State University ElectroScience Laboratory, July, 2001
BH	Gozali et al., "Virginia Tech Space-Time Advanced Radio (VT-STAR), Proceedings, Radio and Wireless Conference (RAWCON) 2001.
BI	"Parkervision Announces Successful Development of Most Integrated High Performance Wireless LAN Transceiver Chips Current Available," July 30, 2002.